July 26, 2005

SUBJECT: Route US 45 (FAP 332)

Project NHF-0332(079) Section 31-1-2, 31B Saline County Contract No. 98631

Item No. 77, August 5, 2005 Letting

Addendum B

## NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

1. Revised Page ii, 23, 64-66 of the Special Provisions.

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

Michael L. Hine Engineer of Design and Environment

By: Ted B. Walschleger, P. E.

Ted Jalubyan D.E.

**Engineer of Project Management** 

cc: Mary Lamie, Region 5, District 9, Roger Driskell; R. E. Anderson; Jim White; Design & Environment File

DB/sar

TEMPORARY PAVEMENT	23
RESTRICTOR PLATE	23
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	24
TYPICAL LOADING OF STANDARD AND COMBINATION STEEL MAST ARM	
AND POLE	28
NON-SPECIAL WASTE WORKING CONDITIONS	
TRENCH DRAIN	30
EXPLORATION TRENCH 48" DEPTH	
TEMPORARY SHEET PILING	31
BREAKER RUN CRUSHED STONE	32
BITUMINOUS CONCRETE SURFACE COURSE (BDE)	32
BITUMINOUS EQUIPMENT, SPREADING AND FINISHING MACHINE (BDE)	33
BUTT JOINTS (BDE)	
COARSE AGGREGATE FOR TRENCH BACKFILL, BACKFILL AND BEDDING (BDE)	34
CONCRETE ADMIXTURES (BDE)	40
CURING AND PROTECTION OF CONCRETE CONSTRUCTION (BDE)	44
DETECTABLE WARNINGS (BDE)	51
DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION	52
EPOXY COATING ON REINFORCEMENT (BDE)	60
EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION (BDE)	60
FLAGGER VESTS (BDE)	60
FREEZE-THAW RATING (BDE)	61
HAND VIBRATOR (BDE)	61
IMPACT ATTENUATORS (BDE)	61
IMPACT ATTENUATORS, TEMPORARY (BDE)	63
LIGHT EMITTING DIODE (LED) SIGNAL HEAD (BDE)	66
MATERIAL TRANSFER DEVICE (BDE)	68
MULCHING SEEDED AREAS (BDE)	
PARTIAL PAYMENTS (BDE)	
PAVEMENT THICKNESS DETERMINATION FOR PAYMENT (BDE)	
PAYMENTS TO SUBCONTRACTORS (BDE)	
PERSONAL PROTECTIVE EQUIPMENT (BDE)	
POLYMER MODIFIED EMULSIFIED ASPHALT (BDE)	
POLYUREA PAVEMENT MARKING (BDE)	
PORTABLE CHANGEABLE MESSAGE SIGNS (BDE)	
PORTLAND CEMENT (BDE)	86
PORTLAND CEMENT CONCRETE (BDE)	86

## TEMPORARY PAVEMENT

<u>Description</u>. This item shall include all materials, labor, and equipment necessary to construct temporary pavement in accordance with applicable sections of the Standard Specifications for Road and Bridge Construction and the details in the plans except as herein specified.

The Contractor shall have the option of construction temporary pavement made of High Early Strength PCC pavement with the option of using Class PP Concrete in accordance with Article 1020.05 (g) (1) and (2) of the Standard Specifications for Road and Bridge Construction. The PCC pavement shall be constructed upon an aggregate base course or stabilized base. The Contractor shall also have the option of constructing a bituminous pavement. The bituminous pavement shall be constructed in accordance with applicable sections or Articles 355 and 406 of the Standard Specifications for Road and Bridge Construction.

<u>Method of Measurement</u>. Temporary pavement shall be measured for payment in place in square yards.

<u>Basis of Payment</u>. This work will be paid for at the contract unit price per square yard for TEMPORARY PAVEMENT which price shall be payment in full for all materials, labor and equipment necessary to perform the work as herein specified, grading and earthwork as required to build temporary pavement.

## **RESTRICTOR PLATE**

This work shall consist of furnishing and installing restrictor plate of the type and size specified in the plans.

<u>Basis of Payment</u>. This work will be paid for at the contract unit price each for RESTRICTOR PLATE, which price shall be payment in full for furnishing and installing the plate and hardware complete.

US 45 (FAP 332) Section 31-1-2, 31B Saline County Contract 98631

<u>Markings</u>. Sand module impact attenuators shall be striped with alternating reflectorized Type AA or Type AP fluorescent orange and reflectorized white horizontal, circumferential stripes. There shall be at least two of each stripe on each module.

Other types of impact attenuators shall have a terminal marker applied to their nose and reflectors along their sides.

<u>Maintenance</u>. All maintenance of the impact attenuators shall be the responsibility of the Contractor until removal is directed by the Engineer.

<u>Relocate</u>. When relocation of temporary impact attenuators is specified, they shall be removed, relocated and reinstalled at the new location. The reinstallation requirements shall be the same as those for a new installation.

<u>Removal</u>. When the Engineer determines the temporary impact attenuators are no longer required, the installation shall be dismantled with all hardware becoming the property of the Contractor.

Surplus material shall be disposed of according to Article 202.03. Anti-freeze, when present, shall be disposed of/recycled according to local ordinances.

When impact attenuators have been anchored to the pavement, the anchor holes shall be repaired with rapid set mortar. Only enough water to permit placement and consolidation by rodding shall be used and the material shall be struck-off flush.

<u>Method of Measurement</u>. This work will be measured for payment as each, where each is defined as one complete installation.

<u>Basis of Payment</u>. This work will be paid for at the contract unit price per each for IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW); IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, WIDE); IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW); IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, WIDE); or IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) of the test level specified.

Relocation of the devices will be paid for at the contract unit price per each for IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE); IMPACT ATTENUATORS, RELOCATE (SEVERE USE); or IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE); of the test level specified.

Regrading of slopes or approaches will be paid for according to Section 202 and/or Section 204 of the Standard Specifications.

80110

US 45 (FAP 332) Section 31-1-2, 31B Saline County Contract 98631

## LIGHT EMITTING DIODE (LED) SIGNAL HEAD (BDE)

Effective: April 1, 2002 Revised: August 1, 2003

Add the following paragraph to the end of Article 802.03 of the Standard Specifications:

"The warranty for light emitting diode (LED) modules, including the maintained minimum luminous intensities, shall cover a minimum of 60 months from the date of delivery."

Revise Article 880.01 of the Standard Specifications to read:

**880.01 Description.** This work shall consist of furnishing and installing a conventional signal head, optically programmed signal head or light emitting diode (LED) signal head."

Revise Article 880.02(a) of the Standard Specifications to read:

" (a) Signal Heads......1078.01"